

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L23	34784	((electro-optical) or electro near3 optical)	US-PGPUB; USPAT	OR	ON	2007/03/19 09:03
L24	2044	23 and signal adj4 wave	US-PGPUB; USPAT	OR	ON	2007/03/19 08:34
L25	0	24 and (anetnna near3 direction\$3)	US-PGPUB; USPAT	OR	ON	2007/03/19 08:33
L26	0	23 and (signal adj4 wave) and (anetnna near3 direction\$3)	US-PGPUB; USPAT	OR	ON	2007/03/19 08:34
L27	0	23 and (signal adj4 wave) and (anetnna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 08:34
L28	41	23 and (signal near2 wave) and (antenna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 08:42
L29	6	("3781111"   "3897151"   "4057708"   "4739329"   "4803631"   "5181039").PN. OR ("5614910").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 08:40
L30	12	23 and (signal near2 wave same converter) and (antenna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:08
L31	4	((electro-optical) or electro near3 optical) same (signal near2 wave same converter) and (antenna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 08:45
L32	10	("4182989"   "4983984"   "5192954"   "5349360"   "5537672"   "5691727"   "5760709"   "5983075"   "6021166").PN. OR ("6744823").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 08:45

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L33	13	((electro-optical) or electro near3 optical) and (signal near2 wave same converter) and (antenna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 08:46
L34	2	((electro-optical) or electro near3 optical) and 455/41.2.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/19 09:08
L35	9	("20010035459"   "20020008145"   "20020075940"   "20020198851"   "20030078036"   "20040179547"   "5940771"   "6144848"   "6540144").PN. OR ("7047051"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:05
L36	262	(signal near2 wave same converter) and (antenna near3 direction\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:08
L37	11	(signal near2 wave same converter) and (antenna near3 direction\$3) and (electro-optical)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:09
S1	1	"20030236096"	US-PGPUB; USPAT	OR	OFF	2007/03/14 08:40
S2	1	"20020105461"	US-PGPUB; USPAT	OR	OFF	2007/03/14 08:40
S3	2	"10698848"	US-PGPUB; USPAT	OR	OFF	2007/03/14 08:50
S4	1	"09341095"	US-PGPUB; USPAT	OR	OFF	2007/03/14 08:51
S5	13	"6229481"	US-PGPUB; USPAT	OR	OFF	2007/03/14 08:51
S6	1485	((short near2 range) or bluetooth) near3 wireless) and ((terminal or user adj terminal) and mobile near3 terminal)	US-PGPUB; USPAT	OR	OFF	2007/03/14 09:05

## EAST Search History

S7	39	S6 and (direction\$2 near3 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:41
S8	72901	((short near2 (distance\$1 or range\$1)) or short range\$1 or short distance\$1 or short-range\$1 or short-distance\$1 or Bluetooth or wireless adj2 personal adj2 network\$3 or WPAN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:01
S9	79067	S8 and (two near2 device\$1) or (first adj terminal) or (user adj terminal ) and (mobile adj (terminal or device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:42
S10	537	S8 and S9 and (Direction\$2 near2 signal )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:22
S12	1	S8 and S9 and S10 and S11 and (Distance\$1 or range\$1 or length\$1 or altitude\$1) near5 (station\$1 or device\$1 or terminal\$1 or unit\$1 or equipment\$1 or apparatus\$1 or system\$1 or mobile\$1 or cellphone\$1 or phone\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:45
S13	1	S8 and S9 and S10 and S11 and (actual adj5 distance\$1 or range\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:47
S14	0	S8 and S9 and S10 and S11 and (actual near2 range\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:47

## EAST Search History

S15	0	S8 and S9 and S10 and S11 and (actual near9 range\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:47
S16	1	S8 and S9 and S10 and S11 and (distance\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:47
S17	1	S8 and S9 and S10 and S11 and (measur\$4 and distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:57
S18	1	S8 and S9 and S10 and S11 and measur\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:51
S19	1	S8 and S9 and S10 and S11 and range\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:54
S20	1	S8 and S9 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:57
S21	2923495	S8 and S9 and S10 and (half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth) with6 distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:58

## EAST Search History

S22	198	S8 and S9 and S10 and (half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth) near3 distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:59
S23	198	S8 and S9 and S10 and (half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth) near3 (actual near3 distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:59
S24	198	S8 and S9 and S10 and (half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth) same (actual near3 distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:08
S25	1	S8 and S9 and (Direction\$2 near2 signal ) and (half adj2 power adj2 beam adj2 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:22
S26	210	S8 and S9 and (Direction\$2 near2 signal ) and (half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:23
S27	72901	((short near2 (distance\$1or range\$1)) or shorrange\$1 or shortdistance\$1 or short-range\$1 or short-distance\$1 or Bluetooth or wireless adj2 personal adj2 network\$3 or WPAN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:03
S28	106771	Direction\$2 near2 signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:13

## EAST Search History

S29	363	(half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:06
S30	1184117	(Distance\$1 or range\$1 or length\$1 or altitude\$1) near5 (station\$1 or device\$1 or terminal\$1 or unit\$1 or equipment\$1 or apparatus\$1 or system\$1 or mobile\$1 or cellphone\$1 or phone\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:07
S31	7	S27 and S28 and S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:13
S32	1	S27 same S28 same S29	US-PGPUB; USPAT	OR	OFF	2007/03/14 15:08
S33	6	S27 and S28 and S29	US-PGPUB; USPAT	OR	OFF	2007/03/14 15:08
S34	0	S33 not (S31 or S32)	US-PGPUB; USPAT	OR	OFF	2007/03/14 15:08
S35	49	S27 and S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:17
S36	21	S28 and S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:25
S37	1	S28 same S29 same S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:13
S38	13	"6229481"	US-PGPUB; USPAT	OR	OFF	2007/03/15 19:51

## EAST Search History

S39	1	"20020105461"	US-PGPUB; USPAT	OR	OFF	2007/03/15 19:53
S40	6	"7062296"	US-PGPUB; USPAT	OR	OFF	2007/03/15 19:54
S41	1	"20030236096"	US-PGPUB; USPAT	OR	OFF	2007/03/15 19:56
S42	0	(distance near2 dertermin\$5 same based near2 on near2 RSSI)	US-PGPUB; USPAT	OR	OFF	2007/03/15 19:58
S43	0	(distance near2 dertermin\$5) and (based near2 on near2 RSSI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 19:58
S44	1	(distance near2 dertermin\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 19:59
S45	0	(based near2 on near2 RSSI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 19:59
S46	5892885	(based near2 on near2 RSSI or based on RSSI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:00
S47	2737	(directi\$6 near2 optimiz\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:02
S48	6828221	(half near\$2 power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:02

## EAST Search History

S49	1969	S47 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:03
S50	6626	RSSI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:03
S51	21	S49 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:13
S52	48	S50 and 455/41.2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 20:14
S53	0	((directivity adj3 optimization) same ((short near2 range) or bluetooth) near4 wireless near2 system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:04
S54	0	((directivity adj3 optimization) same ((short near2 range) or bluetooth) near4 wireless near2 system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:05
S55	55	((direct\$4 near3 optimiz\$4) and ((short near2 range\$1) or bluetooth) near4 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:06



## EAST Search History

S56	569	"24" and 455/41.2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:07
S57	351	(half adj2 power adj2 beam adj2 width) or hpdw or ((half-power or halfpower) adj2 (beam adj2 width))or halfpowerbeamwidth or (halfpower adj2 beamwidth) same (actual near3 distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:14
S58	2	S57 and 455/41.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:11
S59	16	S57 and bluetooth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:11
S60	20	S57 and omnidirectional near3 antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:21
S61	21	S57 and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:24
S62	1	S57 and ultrasonic and RSSI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:24

## EAST Search History

S63	12	S57 and RSSI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:25
S64	32	("2685642"   "3340531"   "3663762"   "4101836"   "4128740"   "4249181"   "4317229"   "4517669"   "4654879"   "4726050"   "4845504"   "5067147"   "5117236"   "5151704"   "5175878"   "5303240").PN. OR ("5701583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:36
S65	239	S57 and distance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:37
S66	2	S57 and distance same RSSI	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:39
S67	9	S57 and movement same monitor\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:40
S68	58	S57 and position same monitor\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:40
S69	3	S57 and position same monitor\$3 and RSSI	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:44
S70	3	S57 and (position or movement) same monitor\$3 and RSSI	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:45
S71	1	S57 and (optical near4 distance) and RSSI	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:45
S72	10	S57 and optical and RSSI	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:47
S73	275157	(control\$3 near3 movement or location same mobile)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 15:49
S74	300688	(control\$3 near3 movement or location same mobile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 15:49

## EAST Search History

S75	67	(control\$3 near3 (movement or location) same (mobile and access near point))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:50
S76	36	S75 and bluetooth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:50
S77	0	S75 and bluetooth and HPBW	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:50
S78	24	S75 and bluetooth and distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:58
S79	7	"2006003700"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:59
S80	0	"200603700"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 15:59
S81	5	"2005097356"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:01

## EAST Search History

S82	0	"2005/097356"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:01
S83	5	"2005097356"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:02
S84	2	"20050097356"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:03
S85	9	"5949369"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:03
S86	17	("4901307"   "4931802"   "4949074"   "4967183"   "5257405"   "5287541"   "5412660"   "5414432"   "5612701"   "5623269").PN. OR ("5949369").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/16 16:19
S87	0	"027554"	EPO	OR	OFF	2007/03/16 16:19
S88	0	"0027554"	EPO	OR	OFF	2007/03/16 16:19
S89	0	"27554"	EPO	OR	OFF	2007/03/16 16:20
S90	0	"0427554"	EPO	OR	OFF	2007/03/16 16:28
S91	106	( wireless near4 communication same distance\$1 same (measure\$4 or determin\$4 or calculat\$4)) and RSSI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:31

## EAST Search History

S92	53	S91 and (direct\$4 near5 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:32
S93	9	S91 and (direct\$4 near5 signal) and bluetooth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 16:33
S94	29	"5650769"	US-PGPUB; USPAT	OR	OFF	2007/03/17 18:28
S95	49	"5086290"	US-PGPUB; USPAT	OR	OFF	2007/03/17 18:28
S96	56	"5525967"	US-PGPUB; USPAT	OR	OFF	2007/03/18 18:15
S97	1	"7183535"	US-PGPUB; USPAT	OR	OFF	2007/03/18 18:17
S98	2	"4085274"	US-PGPUB; USPAT	OR	OFF	2007/03/18 18:18
S99	18	"4185274"	US-PGPUB; USPAT	OR	OFF	2007/03/18 18:18
S10 0	1	"20070054617"	US-PGPUB; USPAT	OR	OFF	2007/03/18 18:22